



HABITAT CZM PROJECT
920 W. DIMOND
ANCHORAGE, ALASKA 99502

REVISED ANADROMOUS STREAM CATALOG OF
SOUTHEASTERN ALASKA

Appendix B - District 2
Volume VI
Outside Area Survey Data

By:
Paul Novak
1975

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DEPARTMENT OF FISH AND GAME
Building, Juneau, Alaska 99801

James W. Brooks
Commissioner

ADF&G TECHNICAL DATA REPORTS

This series of reports is designed to facilitate prompt reporting of data from studies conducted by the Alaska Department of Fish and Game, especially studies which may be of direct and immediate interest to scientists of other agencies.

The primary purpose of these reports is presentation of data. Description of programs and data collection methods is included only to the extent required for interpretation of the data. Analysis is generally limited to that necessary for clarification of data collection methods and interpretation of the basic data. No attempt is made in these reports to present analysis of the data relative to its ultimate or intended use.

Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revisions will be made via errata sheets. Major revisions will be made in the form of revised reports.

BE

REVISED ANADROMOUS STREAM CATALOG OF
SOUTHEASTERN ALASKA

By

Paul Novak
Alaska Department of Fish and Game,
Division of Commercial Fisheries, 1975
Ketchikan, ~~Alaska~~;

1975

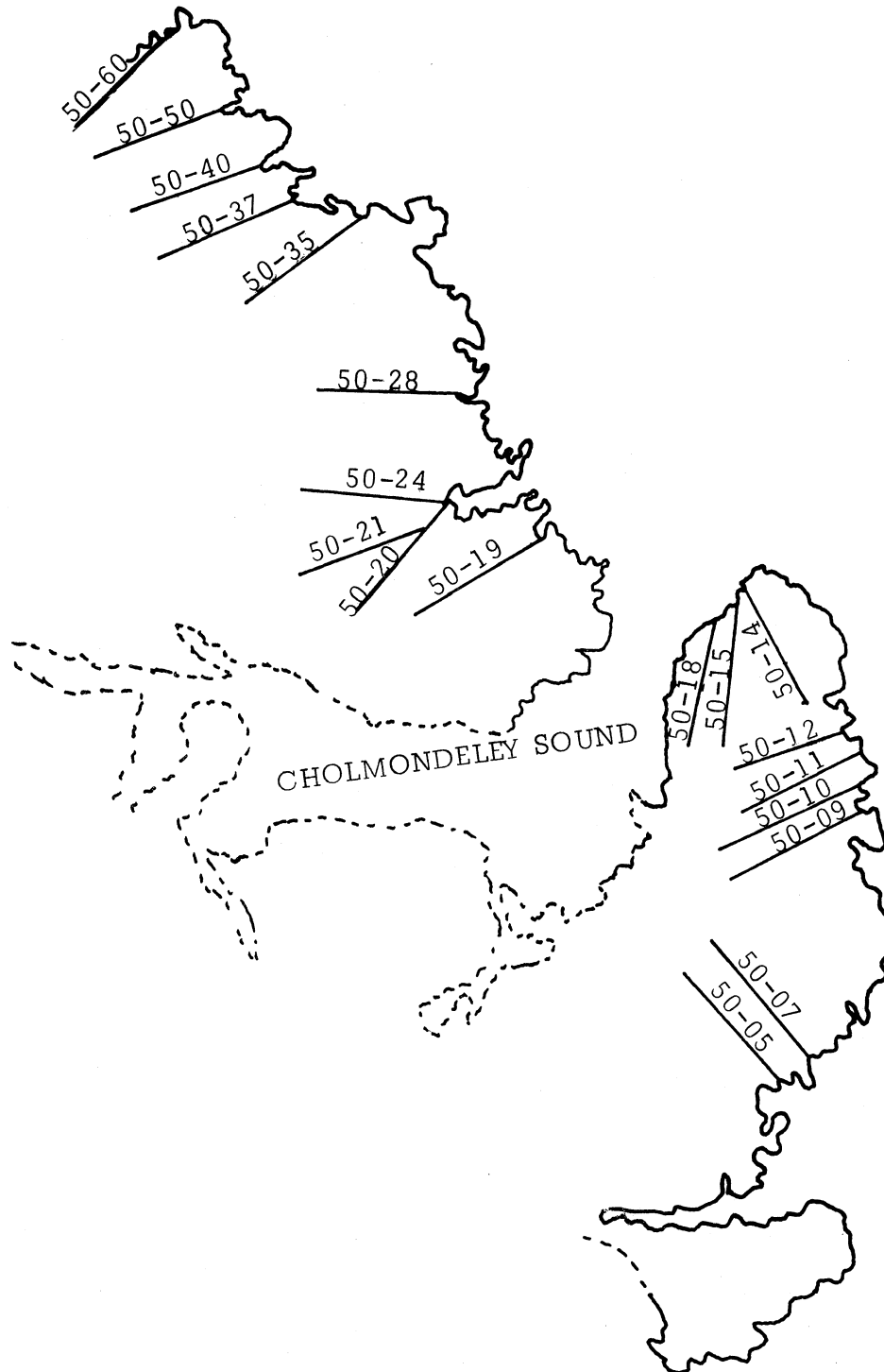
Appendix B - District 2

(Volume VI)

Outside Area Survey Data

1. S.E. Alaska
2. Hydrology
- I. Agency

Statistical Area 102
Outside Area - District 2



SUMMARY
STREAM EVALUATIONS

District 2

Outside Area

Name & Number	Average width	Length	Area (Ft ²)	M ²	Spawning area (m ²)	Available area (m ²)
French Harbor 102-50-05	35'	985'	34,446	3,200	50%	1,600
Dutch Harbor 102-50-07	30'	4,500'	135,000	12,542	60%	7,525
102-50-09	10'	375'	3,750	348	60%	209
102-50-10	7'	450'	3,150	293	30%	88
102-50-11	26'	525'	13,650	1,268	40%	507
Halibut Creek 102-50-12	NO SPAWNING POTENTIAL					
102-50-14	3'	690'	2,070	192	20%	38
Chasina Anchorage 102-50-15	12'	1,050'	12,600	1,171	75%	878
102-50-18	NO SPAWNING POTENTIAL					
102-50-19	3'	120'	360	33	30%	10
102-50-20	2'	240'	480	45	75%	34
102-50-21	31'	6,600'	204,600	19,007	75%	14,255
Clover Creek 102-50-24	NO SPAWNING POTENTIAL					
Monie Lake 102-50-28	NO SPAWNING POTENTIAL					
Troller's Cove 102-50-35	16'	600'	9,600	892	50%	446
Spiral Cove 102-50-37	NO SPAWNING POTENTIAL					
Kluani 102-50-40	NO SPAWNING POTENTIAL					

102-50-50

NO SPAWNING POTENTIAL

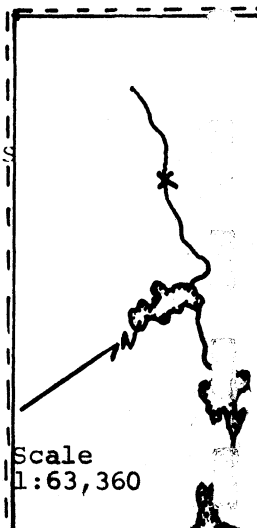
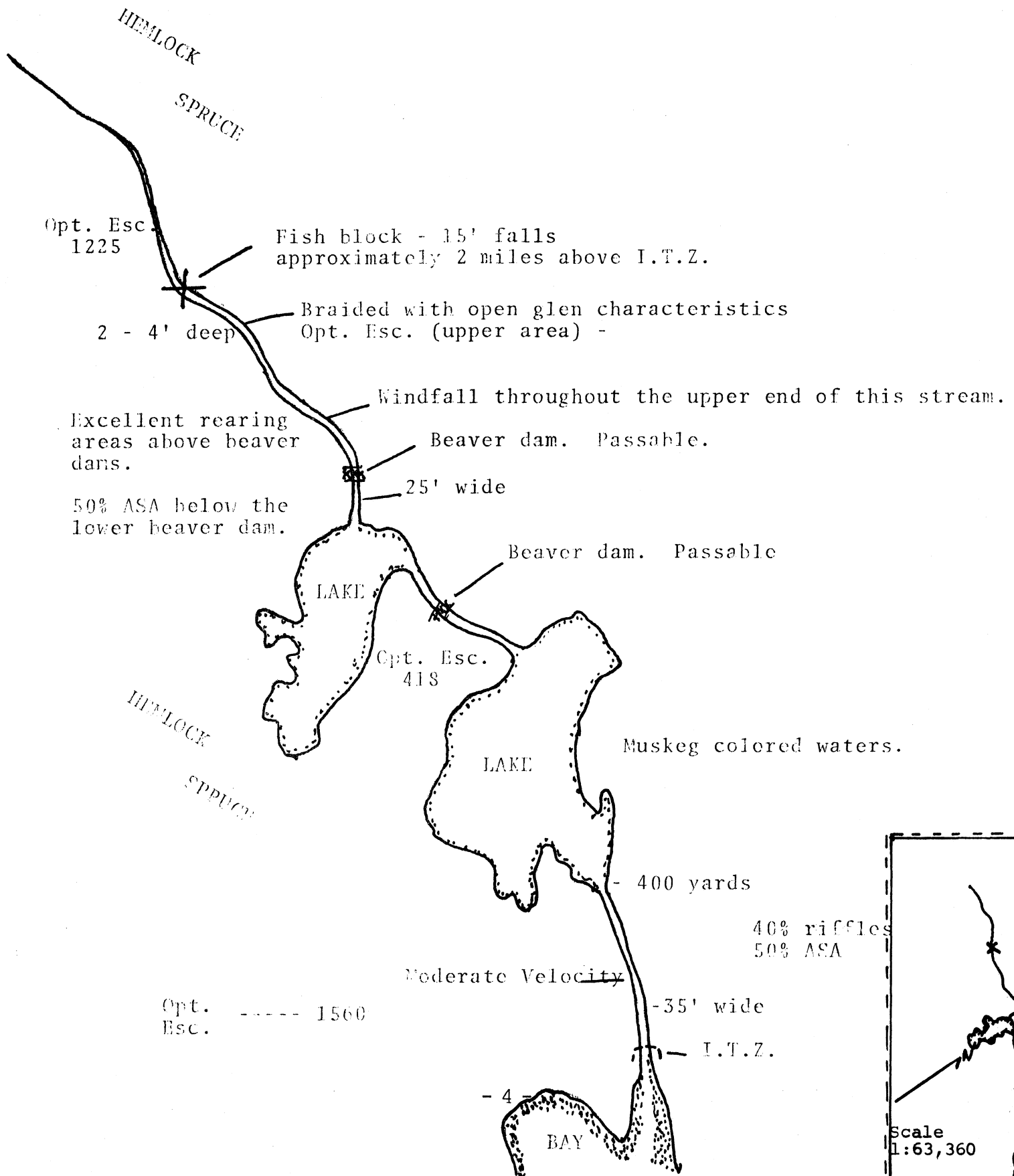
102-50-60

NO SPAWNING POTENTIAL

OUTSIDE AREA TOTAL 25,590

DISTRICT 2 AVAILABLE SPAWNING AREA TOTAL 1,172,303

French Harbor Creek
102-50-05
Novak, Larson
September, 1974



Name French Harbor Creek Catalog No. 102-50-05
 Latitude N 55° 09' 46" WR No. _____
 Longitude W 132° 01' 38" K No. _____
 Geodetic Map No. Craig A-1 Work Area Ketchikan - Port Johnson
 Location Port Johnson Watershed Length 2.4 miles
 Drainage Area of Watershed 3.0 square miles (polar planimeter)
 Water Supply Type Lake system with supplemental supply from runoff.

Trails & Survey Routes Brushy streambanks but can survey by walking in the stream.

Aerial Survey Notes The lower end is impossible to survey from the air due to canopy effect and muskeg colored waters.

Anchorage Poor anchorage for small boats due to rock conditions. Dolomi Bay has restricted large vessel anchorage.

Tide Stage When Surveyed Second half of ebb.

FISHERY RESOURCES

Commercial Fisheries Unknown - Possible chum, pink, coho, and sockeye system.

Escapement Unknown

Available spawning area - 1,600 M²

Species Composition Unknown

Timing Late (based on Dolomi Creek escapements)

Schooling areas Unknown but probably school in the bay associated with the head of French Harbor.

Shellfish Potential Unknown, due to the low quality of crab and clam habitat available I would estimate the potential is low.

Sport Fisheries Dolly Varden, cutthroat and salamonids normally using this system.

Land Use at Present None at present but logging is planned on the Cholmondeley Sound side, approaching the headwaters of the creek.

History of Land Use Not known, but mining interests for gold in the area may have reached into this watershed.

Rehabilitation Potential None necessary, as the beaver dams are not barriers to fish migrations.

Soils Stable, but may be prone to high erosion if the upper lake and watershed is disturbed by land use, alluvial soils.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	0
	Estimate depth out from beach	0
	Eel grass present on what percent of flats	0

Stream #102-50-07
Novak and Downey
10-16-73

1/2 mile above high
tide line

This fork much smaller
now with 60% pool area.

50 yds. at
40% usable gravel.
Good gravel but continues
steeply with more logs and
debris.

Beaver pond. Couple
beaver dam barriers.

Beaver meadow.

200 yds. Best gravel in
stream so far.

Stream open
and easy
walking.

40% usable
gravel.

The upper 1/2 of this
stream had the best potential
by far. Lower 1/2 contains
more larger boulders, swift r
etc.

Old beaver dam -
no barrier.

← couple unidentified
fry.

— Cascades, no barrier.

250 yards of marginal
area. Larger gravel,
somewhat steeper, but some
good gravel yet! Some
bedrock. 25% usable
spawning gravel.

Water up, water dark.

90%
usable
gravel.

70 yards of pretty
good riffles - small
gravel 1/2"-1-1/2".

→ 30' wide
6-8" deep

300 yards to this point
from high tide line.

30% usable spawning
area to here.

LOGGED

Gradient
steeper
with larger
mossy boulders

saw 1 unidentified
fish jumping.
Small falls.

LOGGED

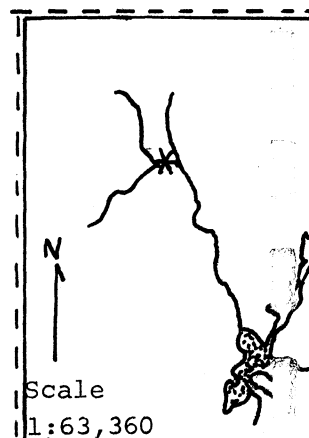
Some traces
of bedrock
throughout
this area.

→ 2 old carcasses.

→ Slough and open area.

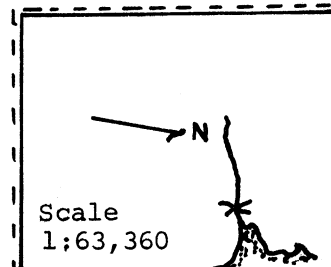
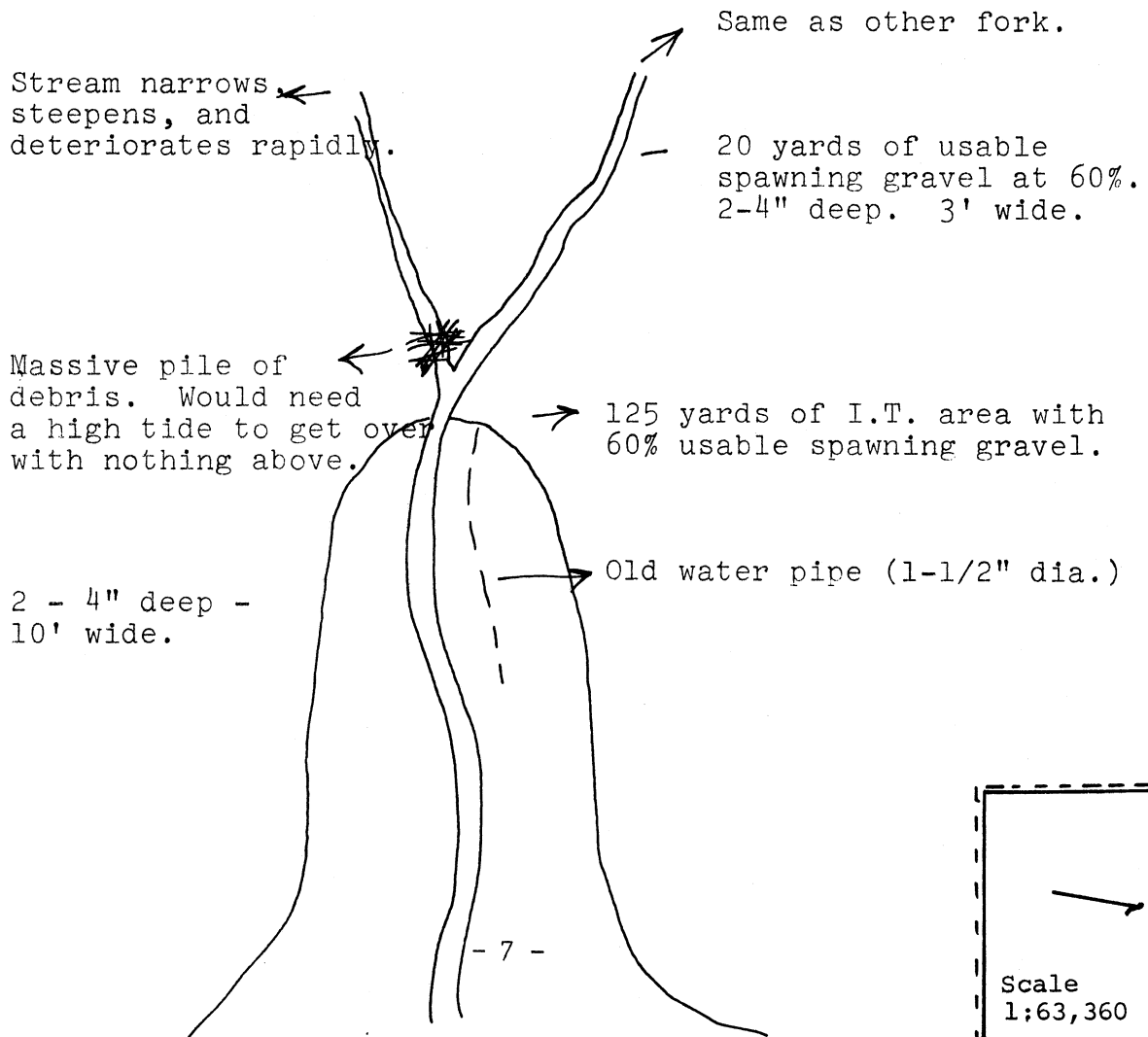
Available spawning area - 7,525 M²

- 6 -



Stream #700
Outside - between Moira
and Cholmondeley
10-16-73
102-50-09

Small stream, 10' wide at the upper I.T. line. I.T. is the best area of the stream, being of fairly good gravel (1/2" - 1-1/2"). This stream has definite I.T. potential but no evidence of any utilization at all. Appears to be about normal flow.



Name _____ Catalog No. 102-50-09
Latitude N 55° 13' 14" WR No. _____
Longitude W 131° 59' 21" K No. _____
Geodetic Map No. Ketchikan A-6 Work Area Ketchikan
Location S. of entrance to Cholmondeley Watershed Length _____
Drainage Area of Watershed _____
Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Small stream with too much overstory for aerial surveying.

Anchorage Inside Cholmondeley Sound at Lancaster Cove or in Port Johnson.

Tide Stage When Surveyed 1/3 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 209 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth.

Shellfish Potential Almost zero - would be limited to clams - or a few abalone on adjacent rocks.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None - too small

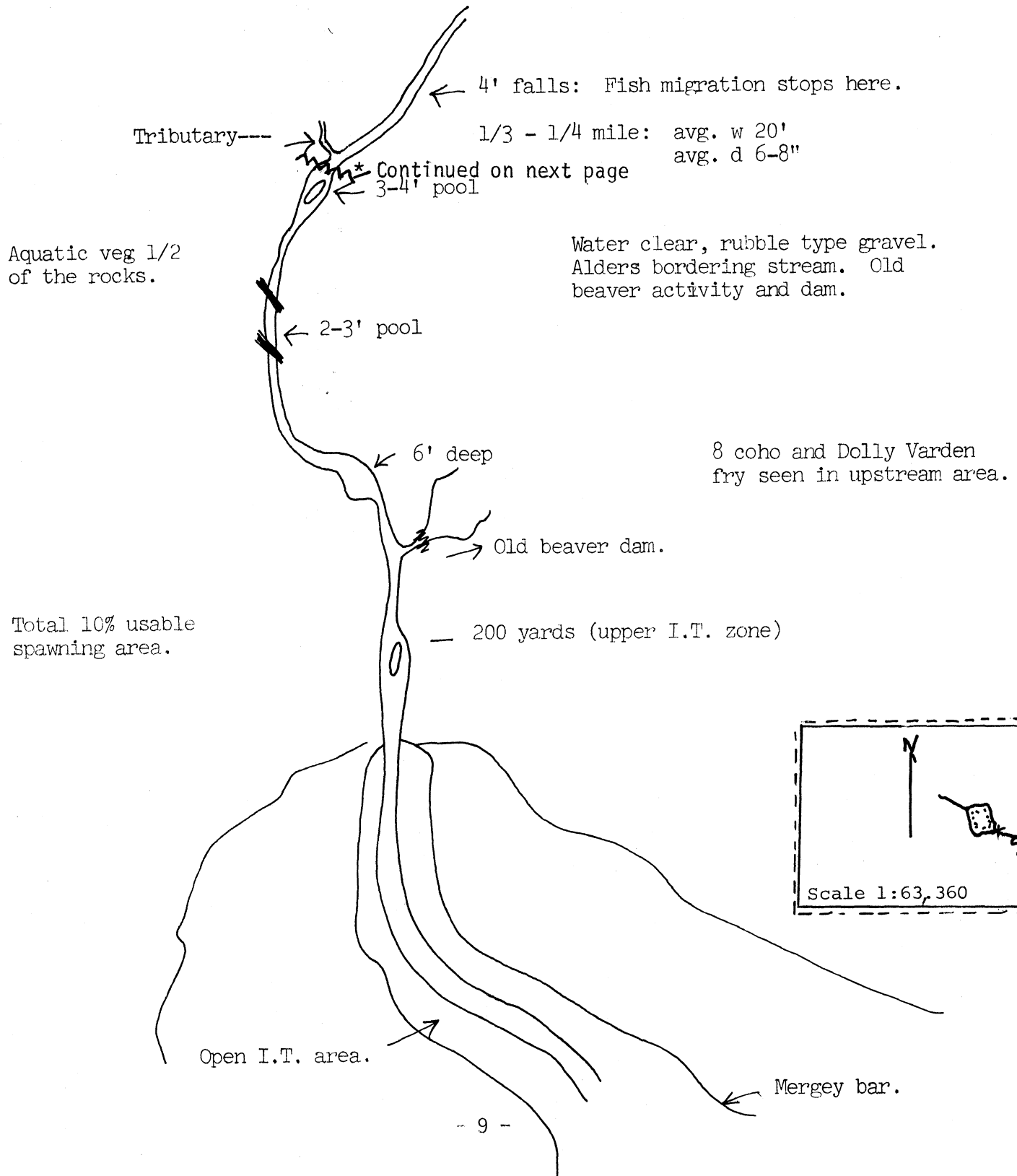
Soils Stable to the furthest point walked.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	small flats
	Estimate depth out from beach	0
	Eel grass present on what percent of flats	0

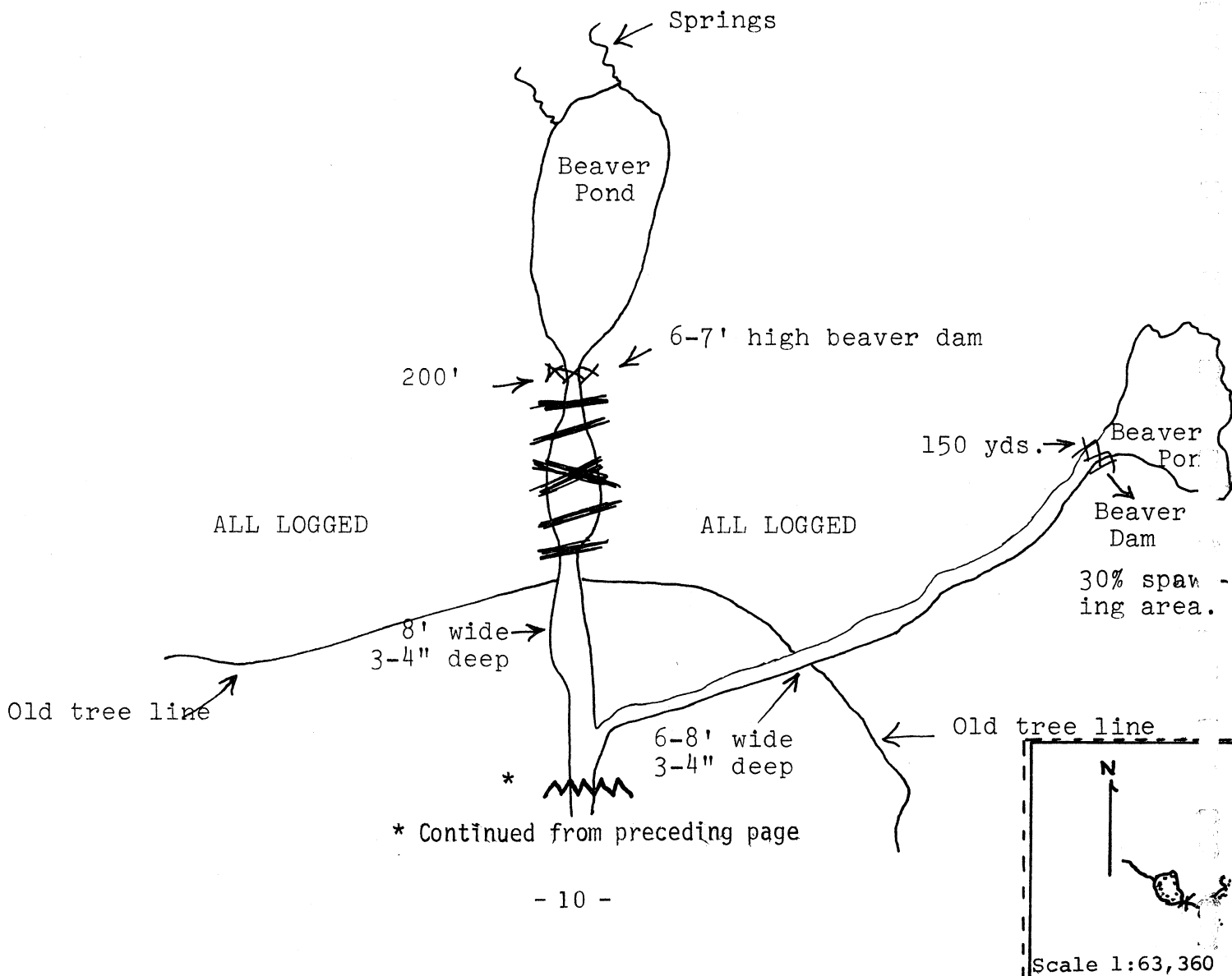
Stream # 102-50-10
Outside - between Moira
and Eholmondeley
Novak and Downey
10-16-73

200 yards of I.T. area with good spawning gravel. Found 1 coho
opercle just above I.T. and saw several old redds in the upper
I.T. zone.



102-50-10
Stream #701
Outside - between Moira
and Cholmondeley
Downey and Novak
10-16-73

Very small stream. This watershed logged.



Name _____ Catalog No. 102-50-10
 Latitude N 55° 13' 33" WR No. _____
 Longitude W 131° 59' 09" K No. _____
 Geodetic Map No. Ketchikan A-6 Work Area Ketchikan
 Location S. of entrance to Cholmondeley Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Lake

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Logged and all open so could be surveyed from the air.

Anchorage Inside Cholmondeley Sound at Lancaster Cove, or in Port Johnson.

Tide Stage When Surveyed 1/4 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 88 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth

Shellfish Potential Almost zero - intertidal is rocky.

Sport Fisheries Unknown - probably none

Land Use at Present None

History of Land Use Logged

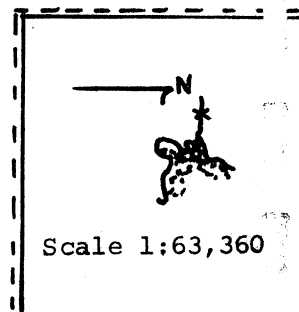
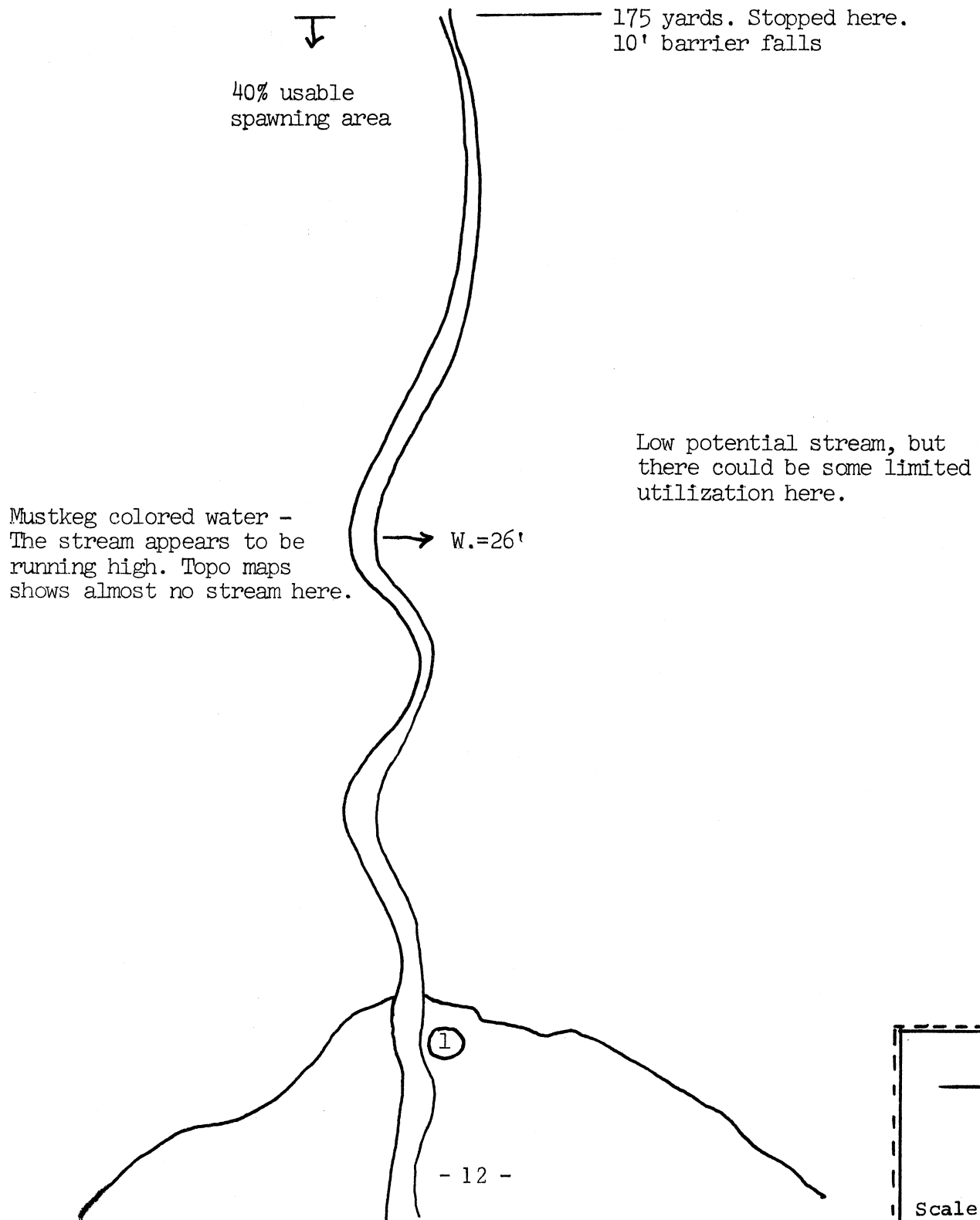
Rehabilitation Potential None - the portions of the stream available to suitable spawning are still available - small stream with limited potential anyway.

Soils Flat gradient and the stream banks seemed to be stable on the area surveyed.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	3
Tide flats -	Estimate length along beach	small flats
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

102-50-11
Stream #702
Outside - between Moira
and Cholmondeley
Novak and Downey
10-16-73



Name _____ Catalog No. 102-50-11
 Latitude N 55° 14' 19" WR No. _____
 Longitude W 131° 59' 42" K No. _____
 Geodetic Map No. _____ Work Area Ketchikan
 Location S. of entrance to Cholmondeley Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Discolored water and dense overstory would make aerial surveys impracticable-also small stream.

Anchorage Inside Cholmondeley Sound at Lancaster Cove or in Port Johnson.

Tide Stage When Surveyed 1/2 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 507 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth

Shellfish Potential Almost zero - would be limited to clams - or a few abalone on adjacent rocks.

Sport Fisheries None

Land Use at Present none

History of Land Use None

Rehabilitation Potential None - small stream.

Soils Stable to the furthest point walked (10' barrier falls)

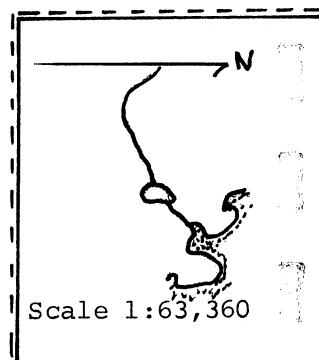
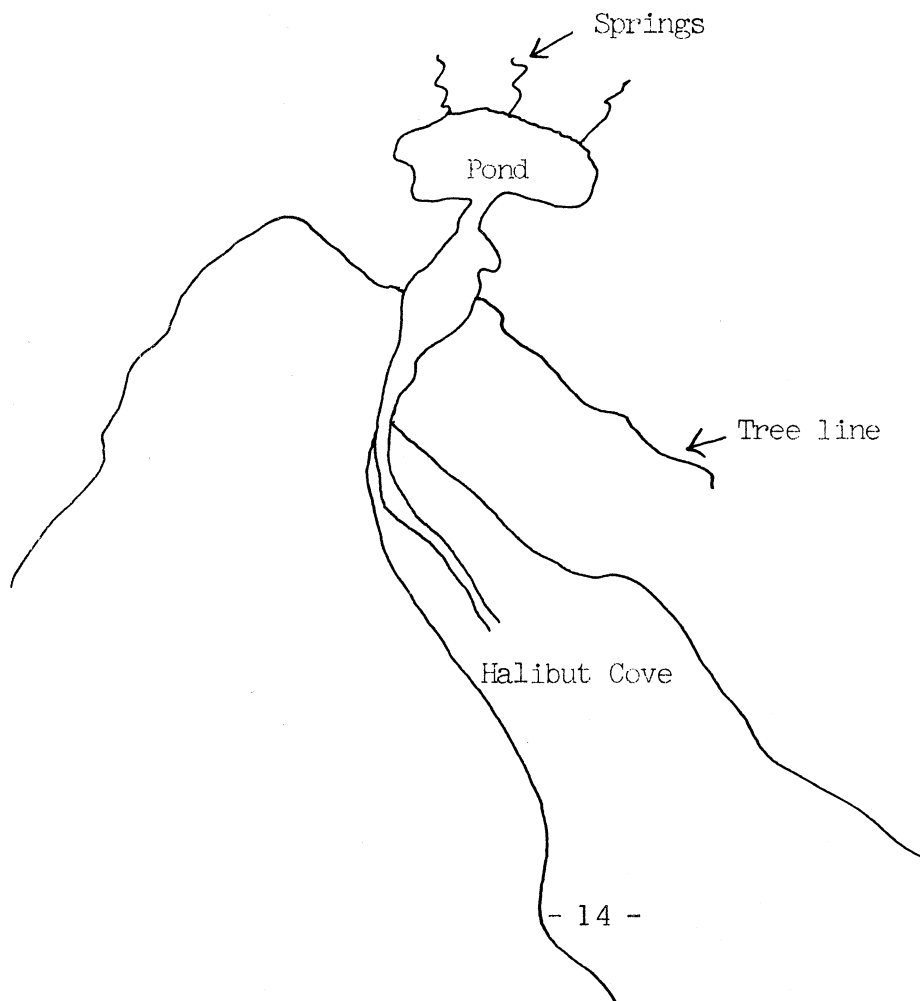
GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	small flats
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

102-50-12
Halibut Creek
Between Moira
Novak and Downey
10-16-73

N 55° 14' 36"
W 131° 59' 57"

A very small stream at the high I.T. area. This stream originates as springs from side hills surrounding the upper I.T. pond. Intergravel drainage at low tide to salt water.



Very small stream with about 30 yards of I.T. which consists of small gravel and large rocks. 30% usable for spawning. Above I.T. stream runs for 200 yards through bedrock and large moss covered rocks to a small lake. Fish could probably have access to the lake during periods of high flow. Overall this stream has very poor potential.

200 yards

Lake

Bedrock and large rocks heavy moss. 5% usable for spawning

Old dam. Looks to be man-made. (cut logs & lumber)

- 3' wide

I.T. is small gravel and large rocks - 30% usable for spawning.

30 yds. I.T.

N

42

Scale
1:63360

Name None Catalog No. 102-50-14
 Latitude N 55° 16' 30" WR No. _____
 Longitude W 132° 01' 53" K No. _____
 Geodetic Map No. Craig B-1 Work Area Ketchikan
 Location Cholmondeley - near So. Entrance Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type LAKE

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Stream too small with too much overstory for aerial surveying.

Anchorage Lancaster Cove.

Tide Stage When Surveyed Just starting to flood.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown

Available spawning area - 38 M²

Species Composition Unknown

Timing Unknown

Schooling areas Would be off the mouth.

Shellfish Potential Almost zero - very rocky intertidal area.

Sport Fisheries Unknown - could be fish in the lake.

Land Use at Present None

History of Land Use None

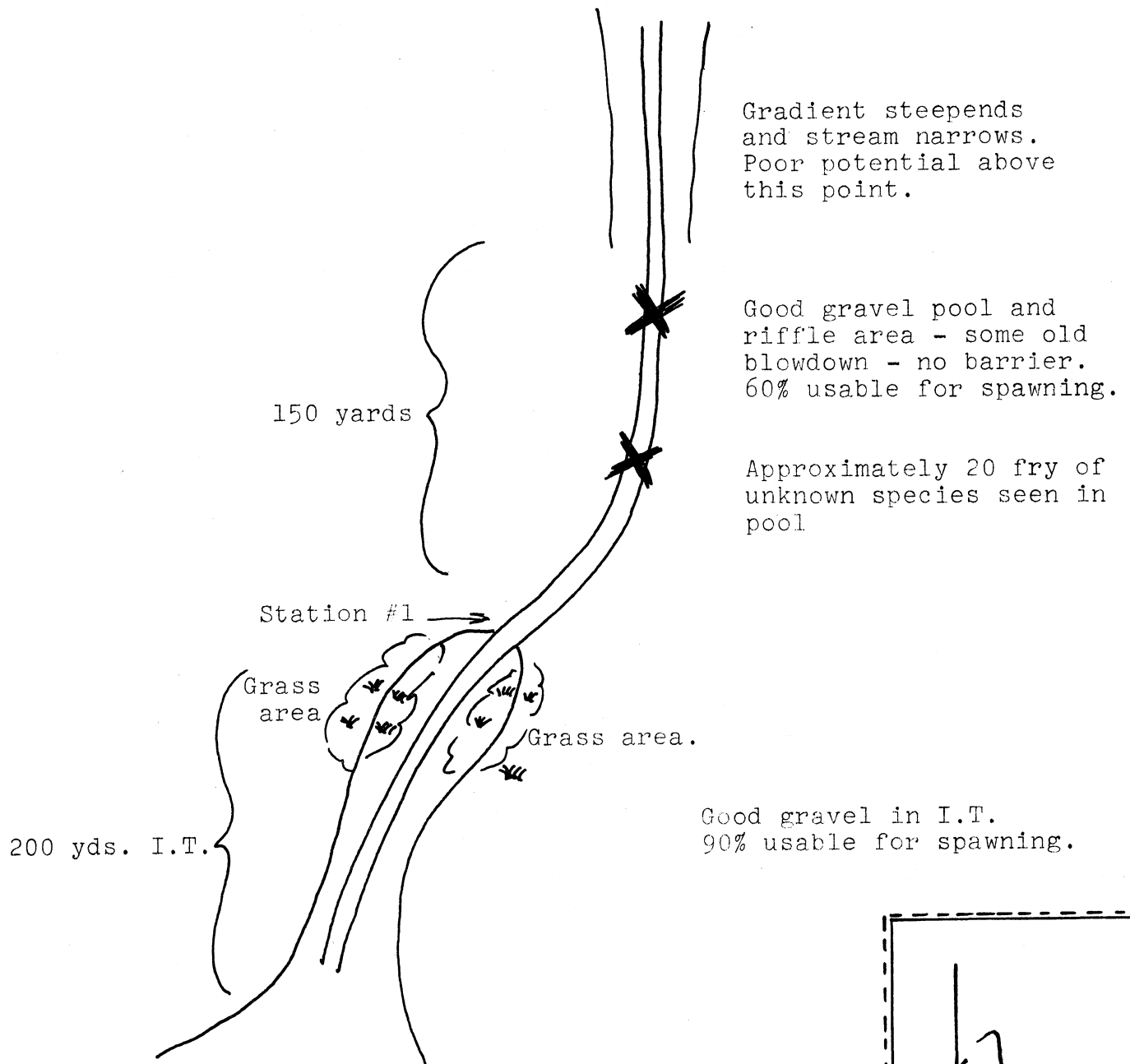
Rehabilitation Potential None = too small and fish do have access to the entire stream and lake.

Soils Stable banks and soils to the lake - flat gradient.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles--	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	almost zero
	Estimate depth out from beach	-
	Eel grass present on what percent of flats	-

Small stream with 200 yards of good gravel
I.T. area. Above I.T. 150 yards of good
area in which 20 fry were observed.



Gradient steepens
and stream narrows.
Poor potential above
this point.

Good gravel pool and
riffle area - some old
blowdown - no barrier.
60% usable for spawning.

Approximately 20 fry of
unknown species seen in
pool

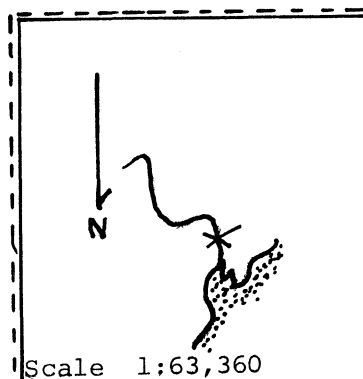
Station #1

Grass
area

Grass area.

200 yds. I.T.

Good gravel in I.T.
90% usable for spawning.



Name Chasine Anchorage Catalog No. 102-50-15
 Latitude N 55° 16' 02" WR No. _____
 Longitude W 132° 02' 21" K No. _____
 Geodetic Map No. Craig B-1 Work Area Ketchikan
 Location Southern Cholmondeley Entrance Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Precipitation - runoff and probably springs.

Trails & Survey Routes No trails - walk up the stream.

Aerial Survey Notes Above intertidal stream is too small with too much overstory for surveying.

Anchorage Lancaster Cove.

Tide Stage When Surveyed Tide 4/5 out and ebbing.

FISHERY RESOURCES

Commercial Fisheries Unknown

Escapement Unknown - none observed on 10-6-73

Available spawning area - 878 M²

Species Composition Unknown

Timing Late

Schooling areas Off the mouth

Shellfish Potential Limited to clams or a few dungeness crabs.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None - stream is clear of windfalls or barrier for as far as fish would spawn.

Soils Stable with a relatively flat gradient.

GAME RESOURCES.

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles-	Number seen along creek	0
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	200 yards
	Estimate depth out from beach	10 yards
	Eel grass present on what percent of flats	-

users: Down, with

users: Down, with

Date: 10-6-73

Temperature:

Weather: Overcast - showers

Name: Chasina Anchorage

Number: 102-50-15

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

102-50-18

Cholmondeley Sound

10-6-73

Smith, Downey

This very small stream appears to be only runoff after hard rain with very little potential, if any.

102-50-19
Cholmondeley Sound
10-6-73
Downey, Smith

N 55° 15' 27"
W 132° 03' 39"

This is a small stream 2-3' wide with 30 yards of fair I.T. area which could support a few spawners, about 10 yards of gravel about I.T. could also support a few spawners. Overall very poor potential - 30% usable spawning area.

Available spawning area - 10 M²

102-50-20
Cholmondeley Sound
10-6-73
Downey - Smith

N 55° 15' 07"
W 132° 04' 07"

This is a very small stream about 2' wide, with 40 yards of fair intertidal gravel area. Very little, if any, spawning potential

Available spawning area - 34 M²

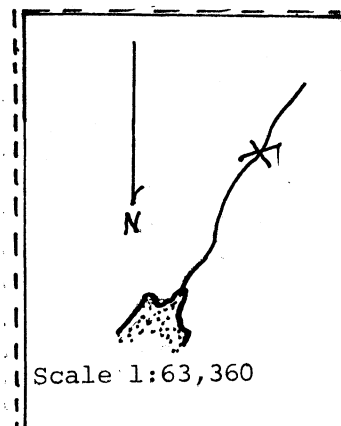
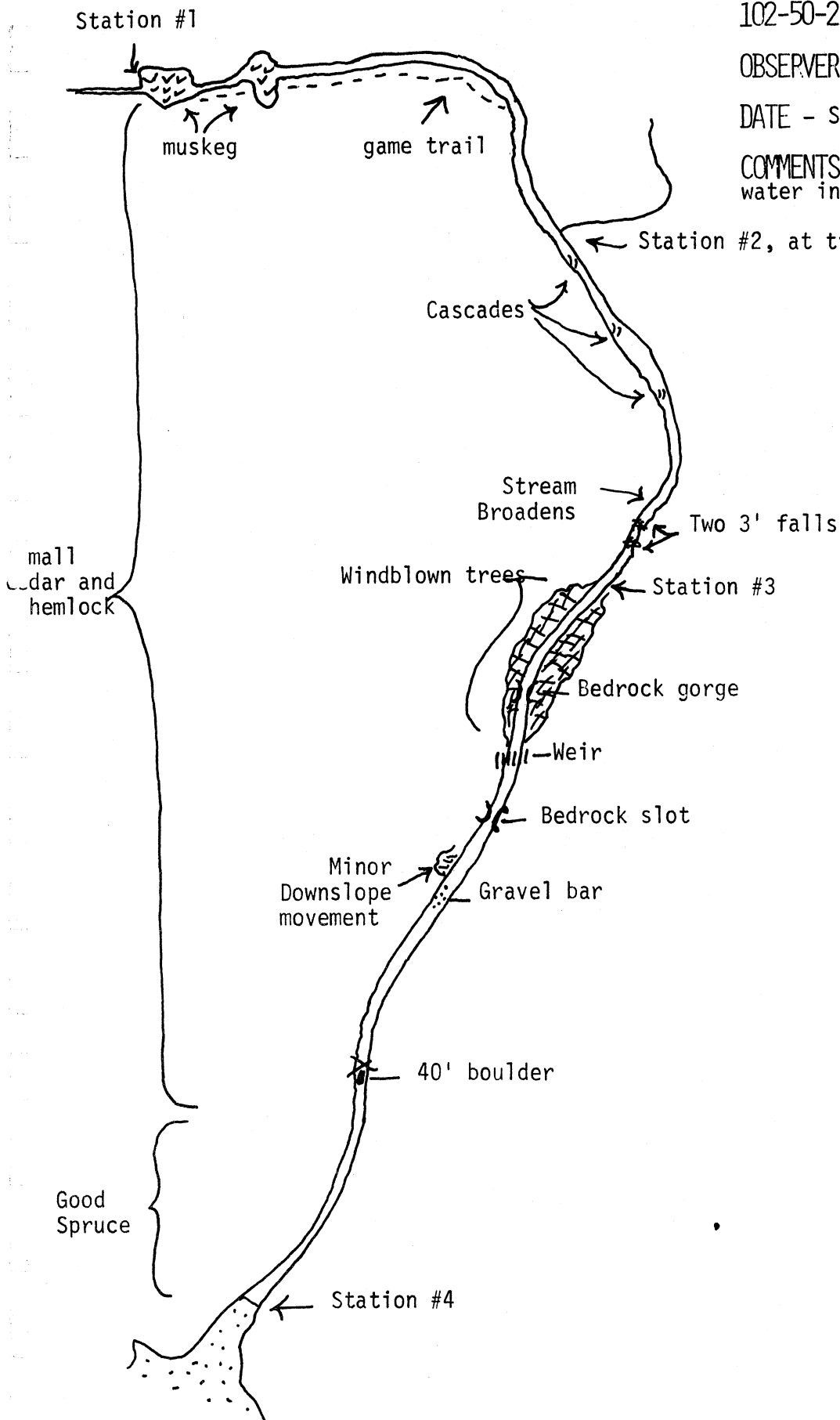
(IN CLOVER BAY)

102-50-21

OBSERVER - Dinneford

DATE - September 21, 1973

COMMENTS - Vis. excellent, some dark water in lower pools. Water level low.



Name Clover Creek S.W. Catalog No. 102-50-21
 Latitude N 55° 17' 24" WR No. 137B
 Longitude W132° 10' 25" K No. 157
 Geodetic Map No. Craig B-1 Work Area Ketchikan
 Location S.W. Head of Clover Bay Watershed Length 6 miles
 Drainage Area of Watershed 8.27 sq. miles
 Water Supply Type Muskeg, Lake

Trails & Survey Routes Game trail upstream, fair walking along stream in lower portion.

Aerial Survey Notes Good for most of surveyed length. Poorest above Station #3.

Anchorage Just inside bay for larger vessels, okay for skiff off mouth.

Tide Stage When Surveyed Flood.

FISHERY RESOURCES

Commercial Fisheries Pink, chum.

Escapement 1973, 15,425

Available spawning area - 14,255 M²

Species Composition 85% pink, 15% chum

Timing Late

Schooling areas Off creek mouth in Clover Bay and in scattered pools upstream.

Shellfish Potential None, I.T. composed of course boulders.

Sport Fisheries Dolly Varden.

Land Use at Present ADF&G recipient stream.

History of Land Use None known.

Rehabilitation Potential Load above station #3 too course to afford much area for spawning.

Soils Mostly stable and level. 1/4 mile distance of windblown trees and minor downslope movement upstream.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	150
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	4
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	1 mature upstream
Bald Eagles-	Number seen along creek	3
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	1/4 mi.
	Estimate depth out from beach	30
	Eel grass present on what percent of flats	0

Temperature: 56° 7:30 am
Weather: Lt. rain

General Remarks (rehab., land use, barriers, log jams, etc.):

Nothing super above b. falls appr. 2 mi. up in the way of gravel, opt. esc., area, etc.
No flow measurements taken.

PEAK ESCAPEMENT RECORD

NAME: Cloyer Creek

STREAM CATALOG NUMBER: 102-50-21

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Oct. 7, 1930				Well seeded. Pink spent. 15,000 fish off mouth
Oct. 7, 1937				Good pink escapement. Bright chum. Many dead, mostly chum
Oct. 6, 1947				Good showing. Good early run of pink
Sept. 28, 1948	2,350	14,000		Good (G)
Sept. 18, 1952	300	800		250 chum, pink at mouth(G)
Sept. 20, 1953	2,000	1,500		75% fresh. 300-400 off mouth(G)
Season, 1955	5,000	100		Estimate
Sept. 2, 1956				4,000 estimated
Aug. 27, 1957	2,700			
Sept. 14, 1957		250		Few jumps in bay (G)
Sept. 6, 1962				No sign of fish in the bay, (A)
Aug. 15, 1963				800 fish at mouth. Stream very low poor for aerial survey. Nothing intertidally. (A)
Sept. 8, 1964				Vis. Excellent. 2 fish were seen at the mouth (A)
Aug. 25, 1965				750 pink at mouth (A)
Aug. 23, 1966	N.O.			Excellent vis. (A)
Aug. 13, 1967	N.O.			No showing in bay. (F)
Aug. 26, 1968	N.O.			(A)
Sept. 12, 1970	400			(F)
Aug. 26, 1971				50 in intertidal area. Vis. poor(A)
Aug. 21, 1972	N.O.			Vis. very good
Sept. 21, 1973	-----14,425-----			15% chum, 20% dead (F)
Sept. 5, 1974		50		Vis. Fair (A)

Clover Creek

#120

102-50-24

10-12-73

Westlund

Stream continues
as a series of
rapids and pools.

))) 6' falls
Log

Series of falls and
pools. Water swift,
pools deep. No
gravel, no fish ob-
served.

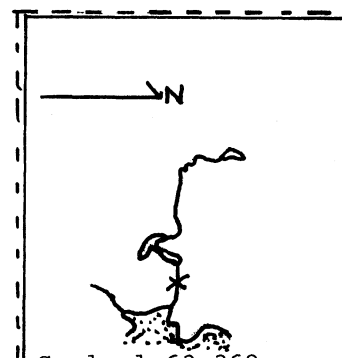
1 female chum carcass.

Station #1

))) 5' falls, possible barrier.

ROCKS

Tidal area deep with o flat. No fish or carcasses. Banks moderately steep, brush is thick. First 150 yards of stream is a series of small falls with fast pools. Bottom is large rocks, very slippery. Bear trail on right of stream.



Name Clover Creek Catalog No. 102-50-24
Latitude 55° 17' 35" WR No. 137 C
Longitude 132° 10' 27" K No. K158
Geodetic Map No. Craig - B-1 Work Area _____
Location Clover Bay - Rt. Head Watershed Length 5.5 miles
Drainage Area of Watershed 11.26 sq. miles
Water Supply Type Lake

Trails & Survey Routes None - hard walking in stream.

Aerial Survey Notes Dark water - barrier falls 250 yds upstream.

Anchorage Good anchorage in bay behind islands.

Tide Stage When Surveyed low - flooding.

FISHERY RESOURCES

Commercial Fisheries Chum

Escapement Not known - probably very small

10-12-73 = 1 chum

Species Composition Not known

Timing Late

Schooling areas In bay off mouth.

Shellfish Potential None - no tidal flats

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential Large system, however, upper falls block any salmon runs.

Soils Large areas of bedrock present in lower stream.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>1</u>
	Number of droppings	<u>0</u>
Geese -----	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ---	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mergansers -	Number of broods seen	<u>0</u>
Bald Eagles-	Number seen along creek	<u>0</u>
	Number of nests seen and location	<u>0</u>
Seals -----	Number seen at mouth of stream	<u>0</u>
Tide flats -	Estimate length along beach	<u>0</u>
	Estimate depth out from beach	<u>0</u>
	Eel grass present on what percent of flats	<u>0</u>
		<u>0</u>

Observers: Westland

Date: 10-6-73

Temperature: 47°

Weather: Partly cloudy

Name: _____

Number: 702-50-24

[illegible]

General Remarks (rehab., land use, barriers, log jams, etc.):

#121

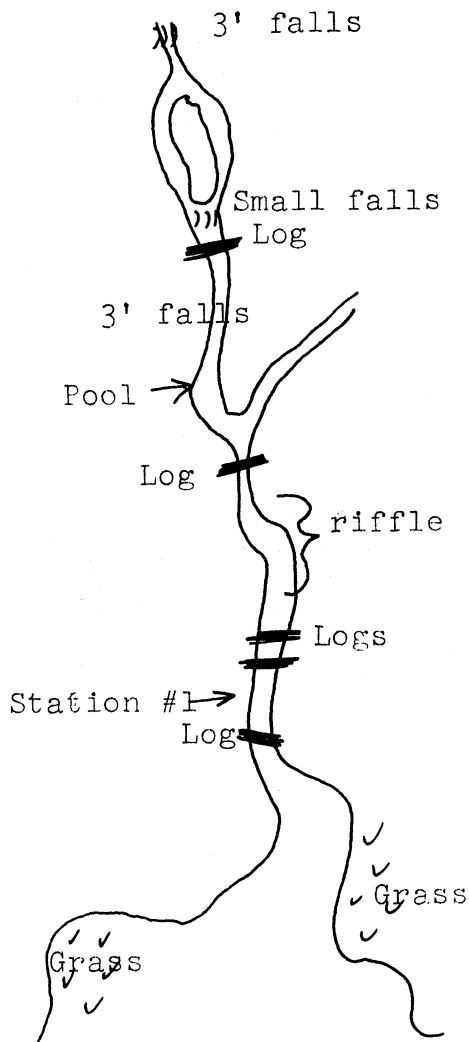
Monie Lake

102-50-28

10-12-73

Stream 8' wide - approximately 6" deep - brownish. I.T.
area small with no spawning area. Stream falls steeply
with rocks and rapids through a moderately sloped ravine.
No fish - no carcasses. Barrier approximately 30 yards
above high tide.

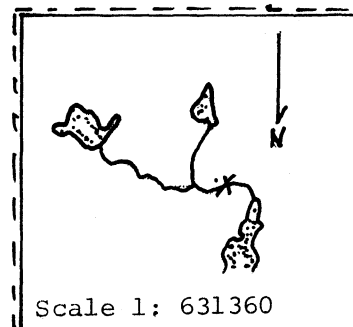
Medium sized tide flat - clam shells seen on outer edge. Stream flows through flat area from lake. No fish seen, no carcasses. Timber looks good - brush thick along sides.



Fish can probably not make it past last falls.

Stream narrows more and divides into channels.

Stream narrows and starts rising. Small series of falls and pools.



Name Trollers Cove Catalog No. 102-50-35
Latitude 55° 21' 28" WR No. none
Longitude 132° 12' 26" K No. none
Geodetic Map No. Craig - B-1 Work Area _____
Location Clarence Sts. - S. Skowl Arm Watershed Length 1.25 miles
Drainage Area of Watershed 1.65 sq. miles
Water Supply Type Lake

Trails & Survey Routes none

Aerial Survey Notes Small falls 200 yards above H.T. Possible barrier to salmon.

Anchorage Excellent anchorage in main part of cove.

Tide Stage When Surveyed Low - flooding

FISHERY RESOURCES

Commercial Fisheries Pink and chum

Escapement Not known - no fish observed 10-12-73

Available spawning area - 446 M²

Species Composition Not known

Timing Middle - est.

Schooling areas in cove off stream mouth

Shellfish Potential good - clams present in some numbers at deep edge of flat.

Sport Fisheries none

Land Use at Present none

History of Land Use none

Rehabilitation Potential small stream - not very important.

Soils Probably stable. Banks not high or steep.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	0
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	4
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	4 indiv.
Bald Eagles-	Number seen along creek	1
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	1
Tide flats -	Estimate length along beach	1/8 mi.
	Estimate depth out from beach	20 ft.
	Eel grass present on what percent of flats	10%

Observers: Westlund - Joyner
Date: 1-6-73

Temperature: 44°

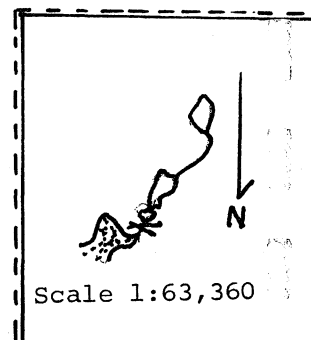
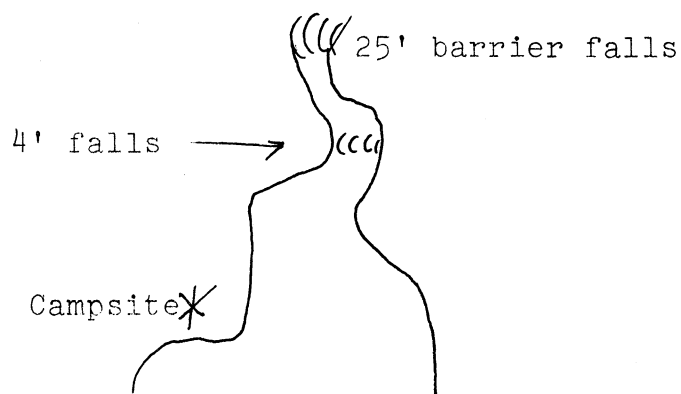
Weather: Partly cloudy

General Remarks (rehab., land use, barriers, log jams, etc.):

#123
Spiral Cove

102-50-37
10-13-73
Westlund

No flat area. Stream goes right into bay. No fish observed -
no carcasses. Nice camping area on left of creek. Stream
about 15' wide - dark and fast. Bottom is rocks with little
gravel. Very pretty place.



#124
Kluani
102-50-40
Westlund

No tide flat - bottom drops off fast. Stream located
in steep valley with no commercial timber. No fish
observed. No carcasses. Stream is 5' wide, 4-6" deep.
Two barriers about 50 ft. above high tide.

#125
102-50-50
10-13-73
Westlund

Small tidal area - no grass flat - log laying across stream
in I.T. zone. Gravel bar runs off left side of stream.
Mixed trees - hemlock, and cedar, some alders. Stream
about 6' wide - shallow and fast moving - small rapids
and pools. Bottom is rubble with a little gravel. Large
log jam at high tide mark. Fish could only get up at high
tide and high water. No fish observed.

#126
102-50-60
10-13-73
Westlund

Falls into saltwater. Stream 5' wide - 2-3" deep. No spawning area. No fish observed - no carcasses.

ACKNOWLEDGMENTS

Gerry Downey, Pink Salmon Research, provided much of the foot work during field surveys. The catalog library was kept current with the assistance of Sharon Peterson and Karen Crandall. Thanks is also extended to G.L. Finger, June Grant and J.C. McMullen for their assistance in publication and planning.

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